

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)**

B.Sc. (NEUROSCIENCE TECHNOLOGY) DEGREE EXAMINATION

August 2019

Second Year

APPLIED NEURO SCIENCE - I

Time: Three hours

Maximum: 75 marks

I. Write an Essay on any **ONE** of the following: (1 x 20 = 20)

1. Enumerate the different lobes of the brain the frontal lobe and its functions.
2. Explain the Neurotransmitters and Ion channels

II. Write short notes on any **TWO** of the following: (2 x 10 = 20)

3. Anatomy of Individual Nerves? Explain that?
4. Upper limb muscles and lower limbs muscles?
5. Explain the anatomy of spinal cords?
6. Muscles stretch reflex?

III. Write short answers on any **SEVEN** of the following: (7 x 5 = 35)

7. Define lower limb muscles?
8. Bronchial plexus?
9. Explain – cerebellum?
10. Short notes on Motor pathology?
11. Short notes on membrane potential?
12. Somatosensory pathways?
13. Cerebrum, lobes and its functions?
14. Ion channels on muscles?
15. Anatomy of Median & Radial?
16. Types of Nerves?